

FIG. 1A

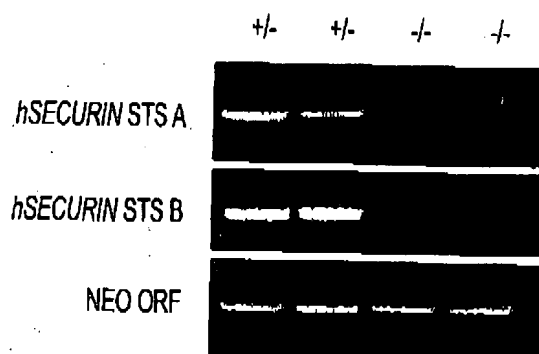


FIG. 1B

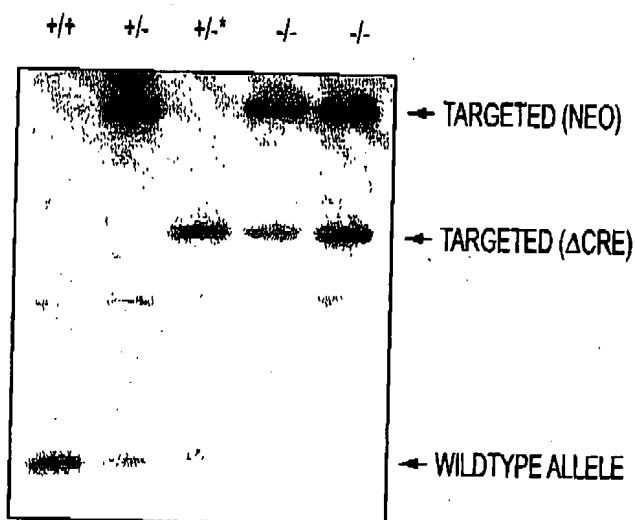


FIG. 1C

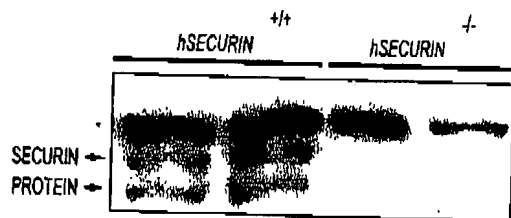


FIG. 1D

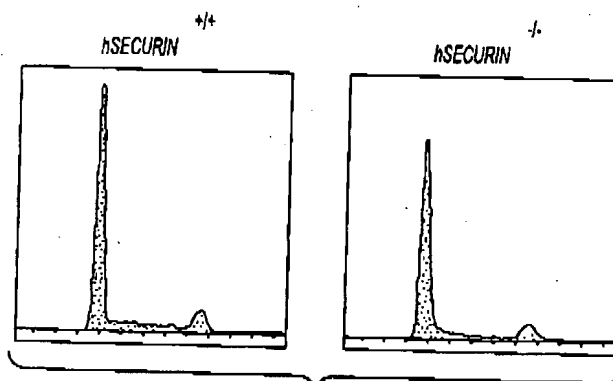


FIG. 1E

<i>hSECURIN</i>	FACS ANALYSIS (%)				CYTOLOGY (%)	
	G1	S	G2/M	APOPTOSIS	MITOSIS	INTERPHASE
<sup>+/+</sup>	69	17	14	2	1	97
<sup>-/-</sup>	70	16	14	1.8	0.7	97.5

FIG. 1F



FIG. 2A



FIG. 2B



FIG. 2C



FIG. 2D



FIG. 2E

CHROMOSOME ANALYZED	NUMBER OF FISH SIGNALS PER CELL						% OF CELLS OFF THE MODE
	0	1	2	3	4	≥5	
HCT116 (++)	7	0	2	98	0	0	2
	12	0	0	99	1	0	1
	17	0	2	96	2	0	4
	X	0	96	4	0	0	4
KO1 (-/-)	7	0	3	76	8	13	24
	12	0	7	70	7	14	30
	17	2	11	74	13	0	26
	X	14	68	15	2	1	32
KO2 (-/-)	7	1	15	69	8	5	31
	12	2	11	80	3	3	20
	17	2	7	83	4	3	17
	X	16	73	10	1	0	27

FIG. 2F

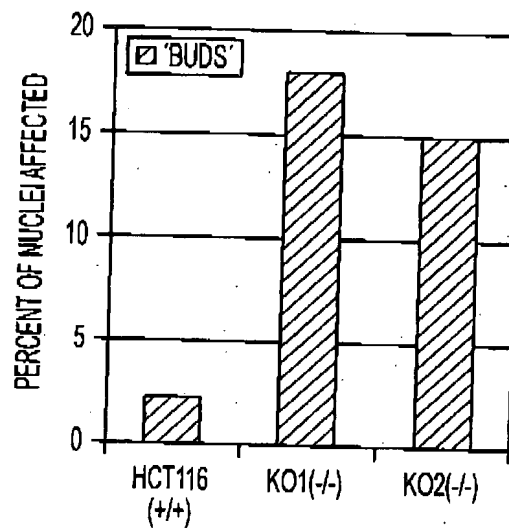
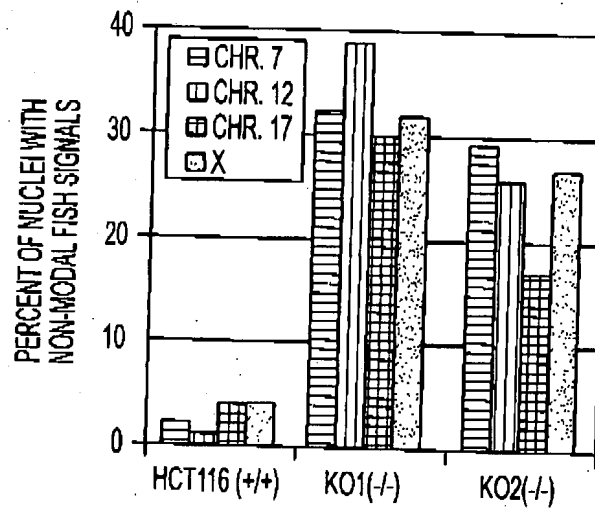


FIG. 2G

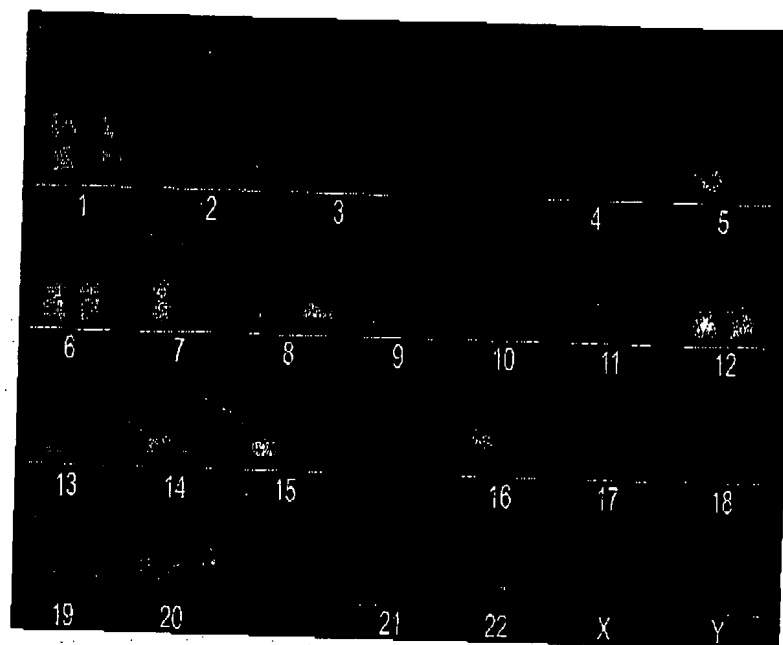


FIG. 3A

+/+  
hSECURIN (PARENTAL)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	X
M1																							
M2																							
M3																							
M4																							
M5																							
M6																							
M7																							
M8																							
M9																							
M10																							
M11																							
M12																							
M13																							
M14																							
M15																							
M16																							
M17																							
M18																							
M19																							
M20																							

FIG. 3B

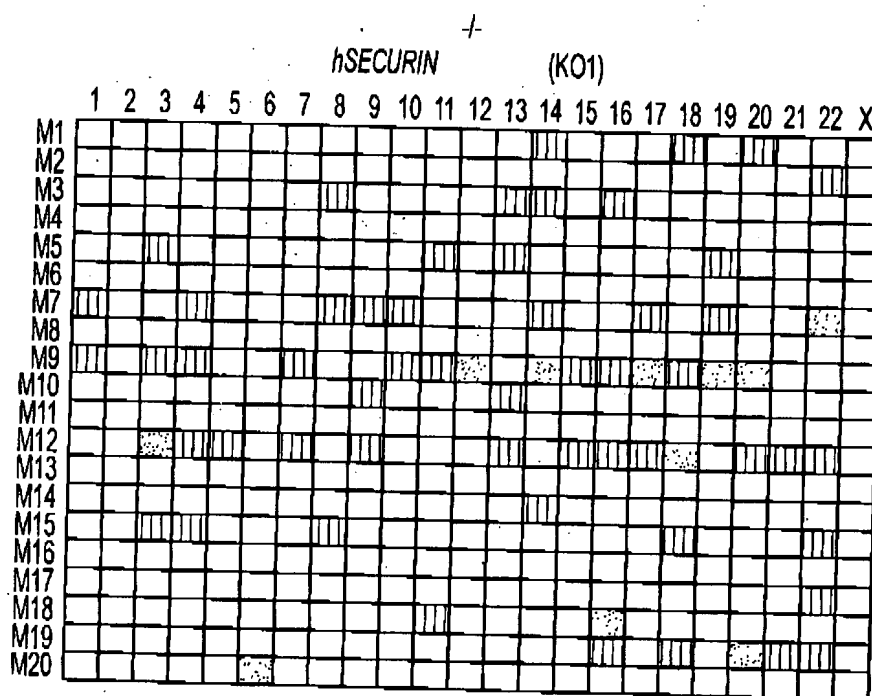


FIG. 3C

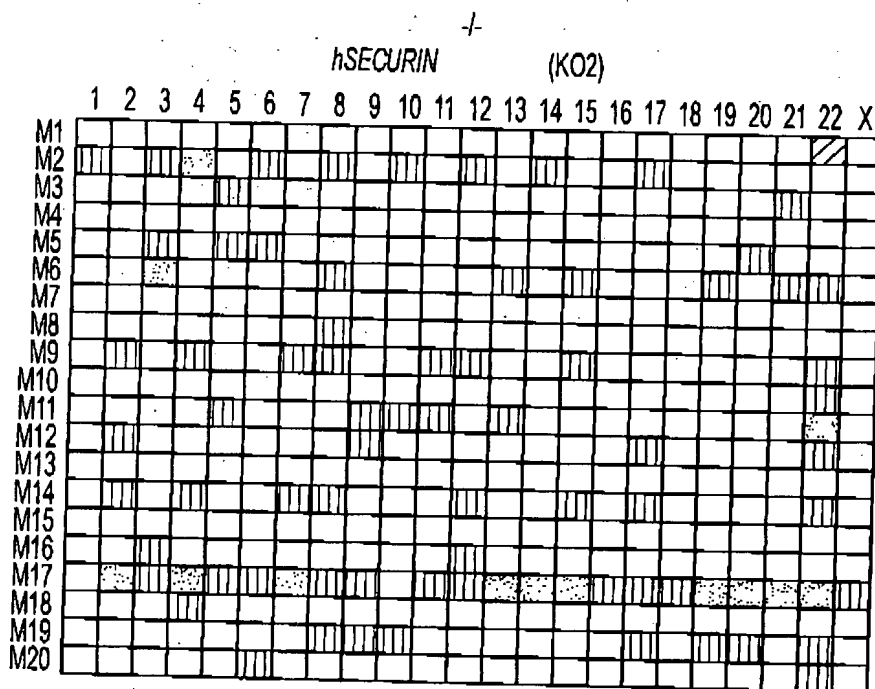


FIG. 3D

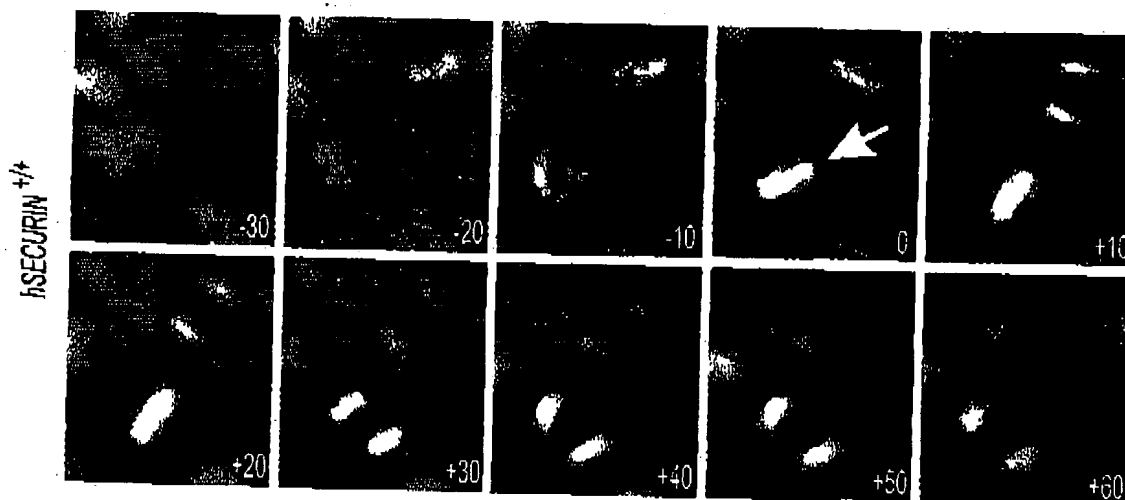


FIG. 4A

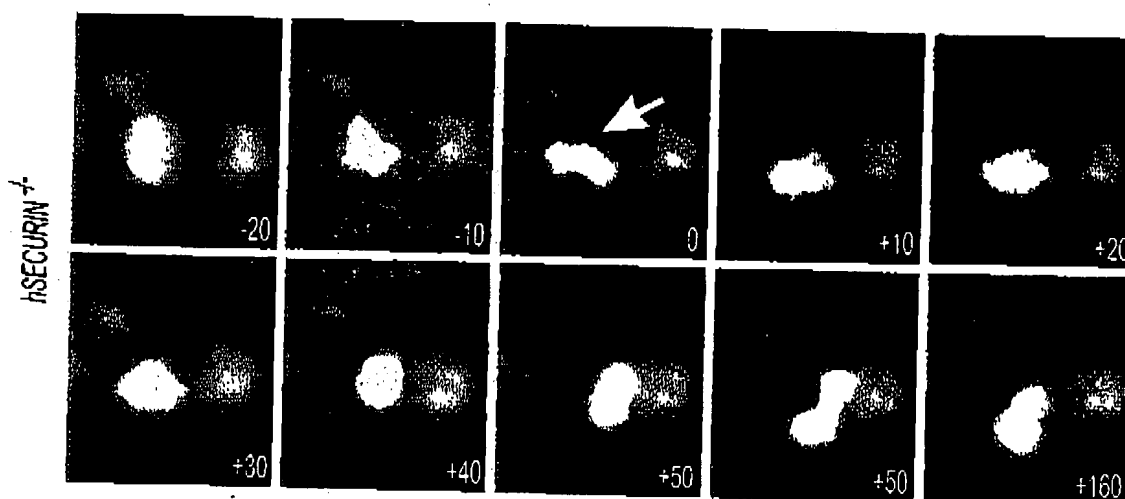


FIG. 4B

MITOTIC INTERVAL (MINUTES)	<i>hSECURIN</i>	
	<i>+/+</i>	<i>-/-</i>
PROPHASE TO METAPHASE	15	19
METAPHASE TO ANAPHASE	21	57
ANAPHASE TO TELOPHASE	17	16

FIG. 4C



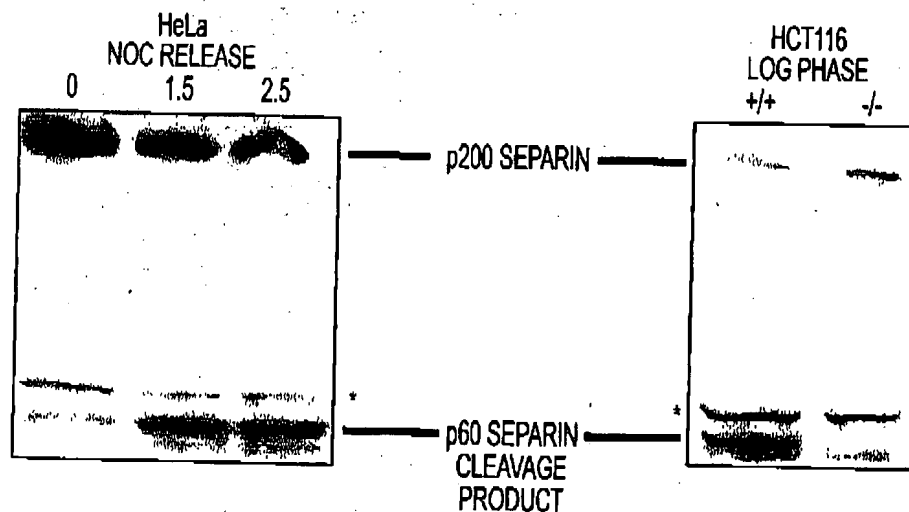


FIG. 5A

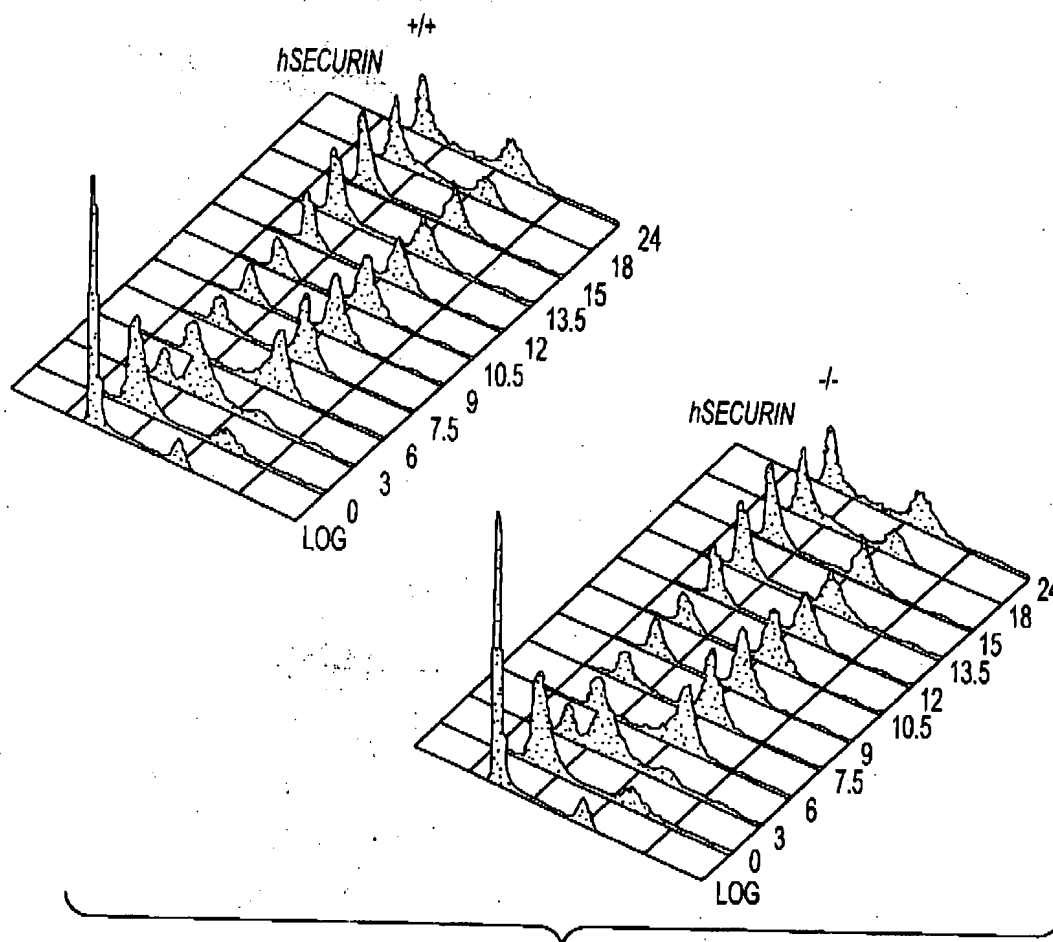


FIG. 5B

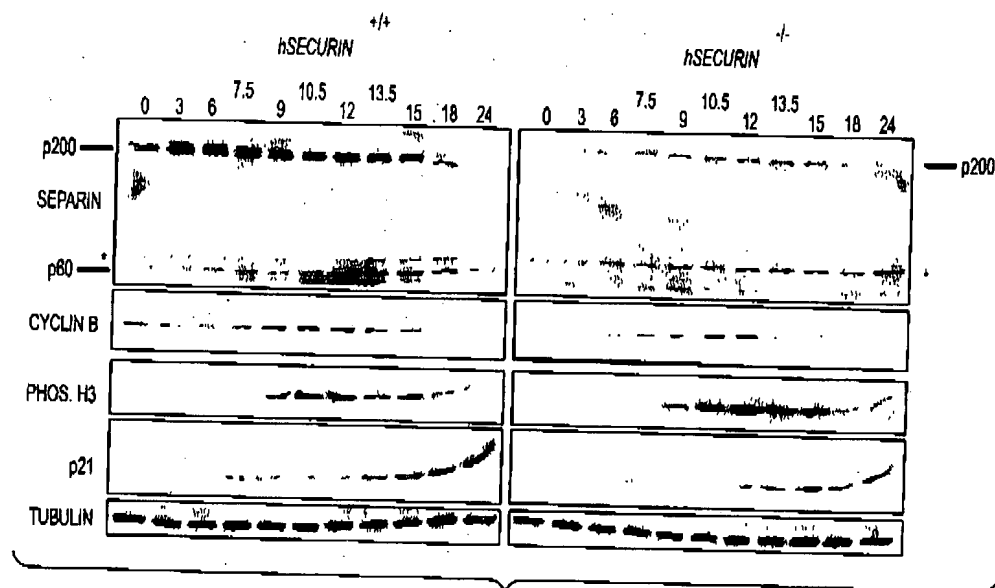


FIG. 5C

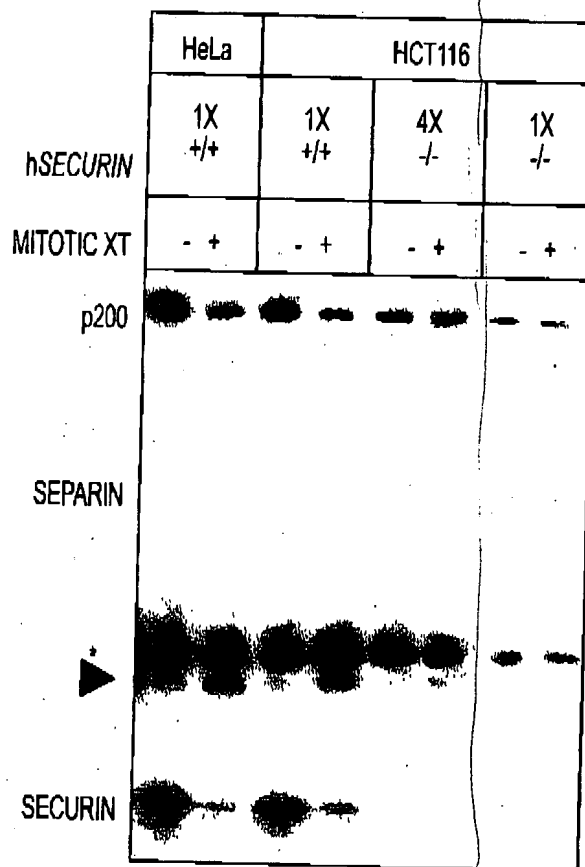


FIG. 6A

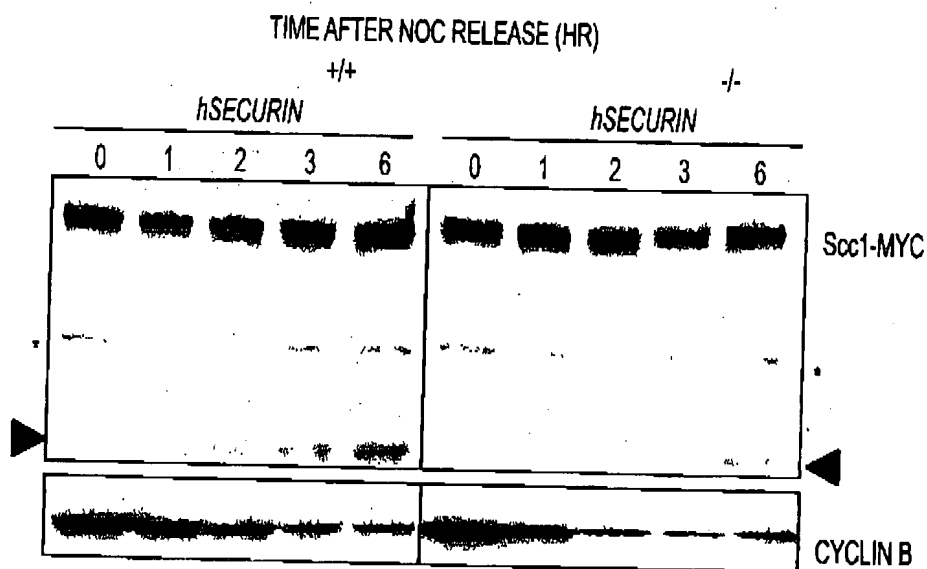


FIG. 6D

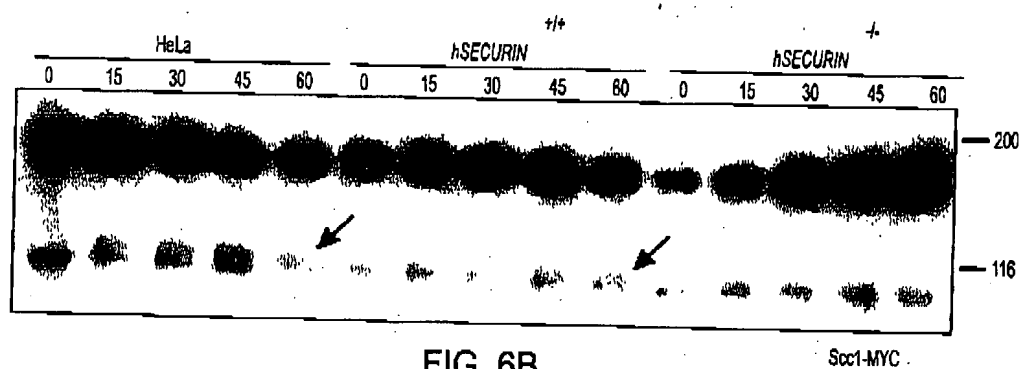


FIG. 6B

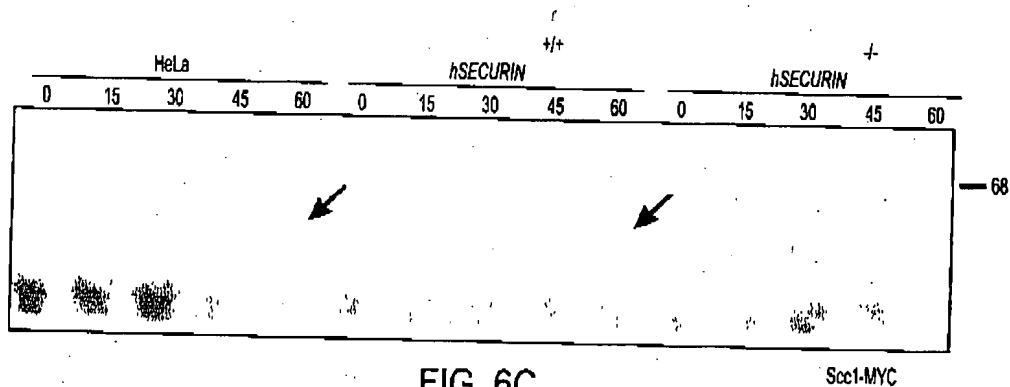


FIG. 6C

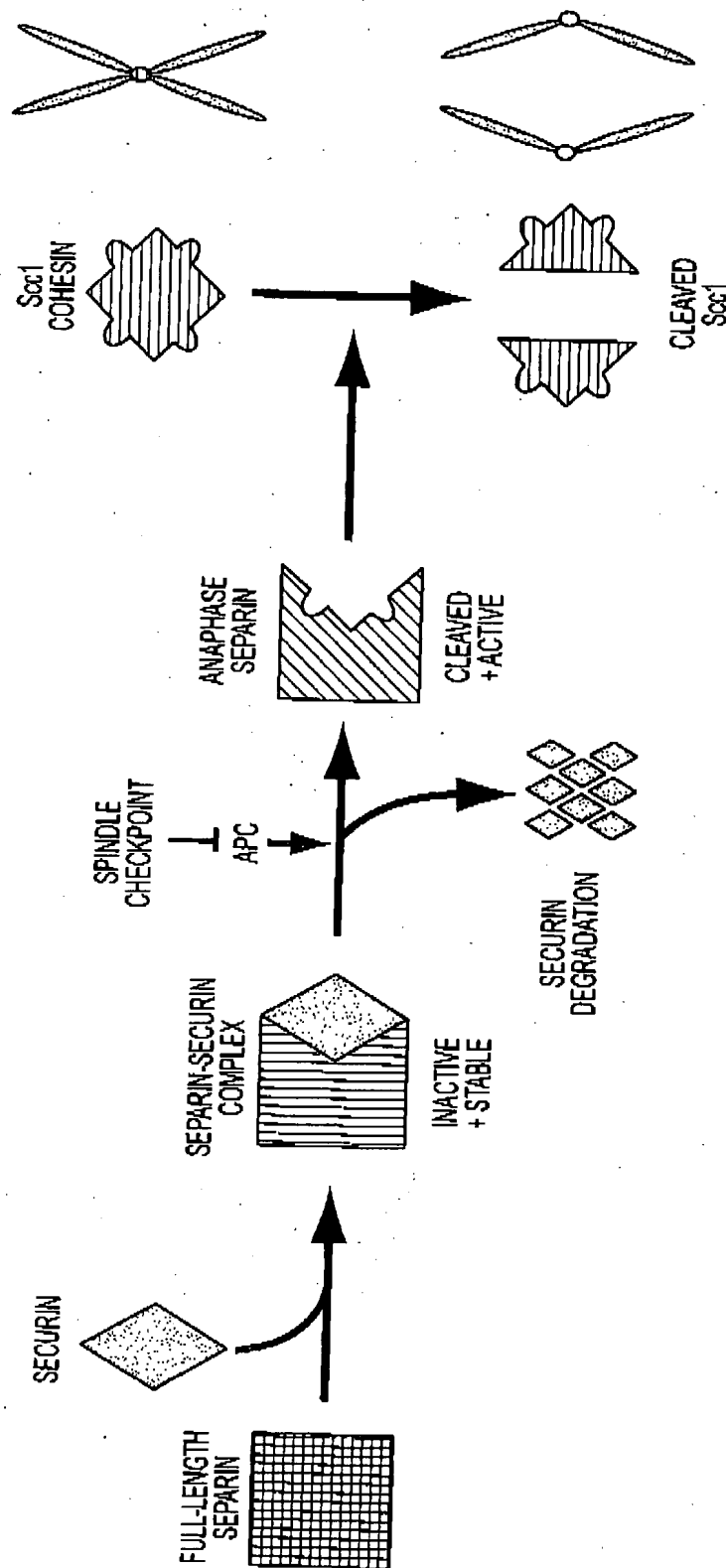


FIG. 7